

## ABSTRACT

A master production scheduling management system and method for efficiently generating master production schedules (MPSs) is provided. The system includes a plurality of client computers (3), an MPS management server (1), a database server (4) and a communication network (2) interconnecting the client computers, the database server, and the MPS management server. The MPS management server obtains data from external information systems by use of a data retrieving module (100), generates an original MPS based on the obtained data, and amends the original MPS to be an optimized MPS by simulating rough-cut capacity planning (RCCP) and material requirements planning (MRP). Employing the present invention, users can amend MPSs in time by simulating RCCPs and MRPs and arrange production schedules efficiently.